

Title (en)
COMMUNICATION SYSTEM, COMMUNICATION DEVICE, COMMUNICATION METHOD, AND COMMUNICATION PROGRAM FOR REALIZING THE SAME

Title (de)
KOMMUNIKATIONSSYSTEM, KOMMUNIKATIONSEINRICHTUNG, KOMMUNIKATIONSVERFAHREN UND KOMMUNIKATIONSPROGRAMM ZU DEREN REALISIERUNG

Title (fr)
SYSTEME DE COMMUNICATION, DISPOSITIF DE COMMUNICATION, PROCEDE DE COMMUNICATION ET PROGRAMME DE COMMUNICATION ASSOCIE

Publication
EP 1653660 A4 20111228 (EN)

Application
EP 04771307 A 20040730

Priority
• JP 2004011304 W 20040730
• JP 2003290822 A 20030808

Abstract (en)
[origin: EP1653660A1] In order to strengthen preventing functions of data leakage, falsifying, camouflage, approach and attack without changing a program of a higher rank application, encryption and decryption logic arrangement is carried out on the transmission side and on the reception side and this is offered to a new encryption system TCP2 applied to a payload of a protocol which corresponds to TCP or UDP existing in a transport layer. By employing this TCP2, a cryptograph process communication can be realized by dissolving various kinds of restrictions which a conventional IPsec or SSL possesses without receiving a restriction of a higher rank application and at the same time, by obtaining compatibility in an IP layer.

IPC 8 full level
H04L 9/32 (2006.01); **H04L 12/22** (2006.01); **H04L 12/66** (2006.01); **H04L 29/06** (2006.01)

CPC (source: EP KR US)
H04L 9/32 (2013.01 - KR); **H04L 12/22** (2013.01 - KR); **H04L 12/66** (2013.01 - KR); **H04L 63/0428** (2013.01 - EP US); **H04L 63/0485** (2013.01 - EP US); **H04L 63/166** (2013.01 - EP US); **H04L 69/161** (2013.01 - EP US); **H04L 69/30** (2013.01 - US)

Citation (search report)
• [I] US 2002042875 A1 20020411 - SHUKLA JAYANT [US]
• [I] WO 0110095 A2 20010208 - INTEL CORP [US], et al
• [I] TSUTSUMI T ET AL: "Secure TCP -- Providing Security Functions in TCP Layer", 20 June 1995 (1995-06-20), pages 1 - 9, XP002626837, ISBN: 978-3-924651-47-3, Retrieved from the Internet <URL:http://www.isoc.org/inet95/proceedings/PAPER/144/abst.html> [retrieved on 20110308]
• See references of WO 2005015827A1

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EP2043296A4; WO2009071751A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1653660 A1 20060503; EP 1653660 A4 20111228; AU 2004302108 A1 20050217; AU 2004302108 B2 20100225; AU 2004302108 C1 20100916; CA 2534919 A1 20050217; CA 2534919 C 20110405; CN 1833403 A 20060913; CN 1833403 B 20110525; IL 173316 A0 20060611; IL 173316 A 20101230; IN 130DEN2014 A 20150522; JP 3783142 B2 20060607; JP WO2005015827 A1 20061012; KR 101055861 B1 20110809; KR 20060059908 A 20060602; NO 20056234 L 20060508; TW 200518516 A 20050601; TW I362859 B 20120421; US 2006190720 A1 20060824; US 2012066489 A1 20120315; US 2014115320 A1 20140424; US 2014223169 A1 20140807; US 8041816 B2 20111018; US 8799505 B2 20140805; US 9749449 B2 20170829; WO 2005015827 A1 20050217

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EP 04771307 A 20040730; AU 2004302108 A 20040730; CA 2534919 A 20040730; CN 200480022660 A 20040730; IL 17331606 A 20060123; IN 130DEN2014 A 20140107; JP 2004011304 W 20040730; JP 2005512962 A 20040730; KR 20057024375 A 20040730; NO 20056234 A 20051229; TW 93123501 A 20040805; US 201113230390 A 20110912; US 201314057468 A 20131018; US 201414245474 A 20140404; US 34914206 A 20060208